Product Name: CD45 (8C1) Mouse Monoclonal Antibody
Catalog #: AMM03711
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC/IF
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200
Molecular Weight	Calculated MW: 145 kDa; Observed MW: 145 kDa

Antigen Information

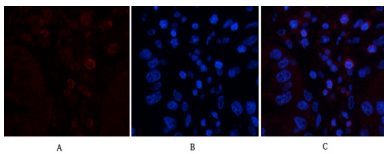|	
Gene Name	Ptprc
Alternative Names	GP180; L CA; CD45 antigen
Gene ID	19264.0
SwissProt ID	P06800
Immunogen	Synthetic Peptide of CD45

Background

Protein tyrosine-protein phosphatase required for T-cell activation through the antigen receptor. Acts as a positive regulator of T-cell coactivation upon binding to DPP4. The first PTPase domain has enzymatic activity, while the second one seems to affect

the substrate specificity of the first one. Upon T-cell activation, recruits and dephosphorylates SKAP1 and FYN . Dephosphorylates LYN, and thereby modulates LYN activity.
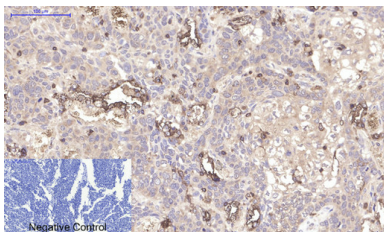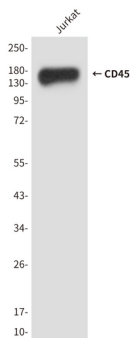
Research Area

Immunology

Image Data

Immunofluorescence analysis of CD45 (8C1) in Human livercancer tissue using CD45 (8C1) antibody(red),and DAPI (blue).

Immunohistochemical analysis of paraffin-embedded Human tonsils using CD45 (8C1) antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.Negative control was used by secondary antibody only.

Western blot analysis of CD45 (8C1) in Jurkat lysates using CD45 (8C1) antibody.